

LIGHTING CONTROLS:

- #G 1-WAY LIGHT SWITCH
- PG 2-WAY LIGHT SWITCH
- 2G DIMMER LIGHT SWITCH
- (P) CEILING / LUMINAIRE MOUNTED 360 DEGREE PIR DETECTOR
- (PA) CEILING / LUMINAIRE MOUNTED 360 DEGREE PIR DETECTOR & ABSENCE DETECTION

GENERAL NOTES

1. THIS DRAWING IS NOT AN INSTALLATION DRAWING.
2. SCALED DIMENSIONS SHALL NOT BE TAKEN FROM THIS DRAWING.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT REPORTS, SPECIFICATIONS, ARCHITECTURAL AND ENGINEERING DRAWINGS.
4. THIS DRAWING SHALL BE PRINTED AND READ IN COLOUR ONLY.

LIGHTING LEGEND:

- A - THORLUX HI-STYLE LED
- A1 - THORLUX HI-STYLE LED
- B - THORLUX RADIANCE LED
- B1 - THORLUX RADIANCE LED
- D - THORLUX R3
- D1 - THORLUX R3
- F1 - THORLUX G3
- G - THORLUX DOT
- L - THORLUX THORPROOF
- L1 - THORLUX THORPROOF
- N - THORLUX KANBY EVO
- E1 - THORLUX FIREFLY PLUS
- E2 - THORLUX FIREFLY
- F - THORLUX DOT LED
- EXIT - THORLUX LEX
- L - THORLUX THORPROOF
- L1 - THORLUX THORPROOF

REFER TO LUMINAIRE SCHEDULE WITHIN SPECIFICATION FOR FULL DETAILS OF FITTINGS.

*E DENOTES EMERGENCY CONVERSION

NEW LIGHTING PROVIDED BY EXTERNAL FUNDING RETAINED

P0	APR 24	UPDATED TO INCORPORATE ARCHITECTS COMMENTS (RECEIVED 11/04/2024)	LD	RM
P0	APR 24	FINAL STAGE 4 ISSUE	AT	RM
P0	MAR 24	PRELIMINARY TENDER ISSUE	UD	UD
P0	JAN 24	PRELIMINARY TENDER ISSUE	UD	UD
P0	DEC 23	UPDATED FOR ARCHITECT COMMENTS	RS	RM
P0	MAR 23	UPDATED FOR LAYOUT CHANGE	LD	RM
P0	APR 22	FOR PLANNING AMENDMENTS	JS	NR
P0	DEC 21	SUITABLE FOR STAGE APPROVAL	BP	JP
P0	DEC 21	CHANGES TO TITLE BLOCK REVISIONS	ZD	NR
T01	SEP 21	TENDER ISSUE	JS	NR
T01	SEP 21	TENDER ISSUE	JS	NR
REV	DATE	DESCRIPTION	BY	VE



STAGE 4

STATUS

SUITABLE FOR STAGE APPROVAL

CLIENT: THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT: HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE: ELECTRICAL SERVICES

GROUND FLOOR - CLINICAL ADMIN

LIGHTING LAYOUT

SCALE (A): 1:50 DATE: SEP 21 BY: JG VE: NR

Proj ID: THHF1 CPW: ZZ Volume: 00 Level: DR Role: 21001 Number: Subd: Revision: P10

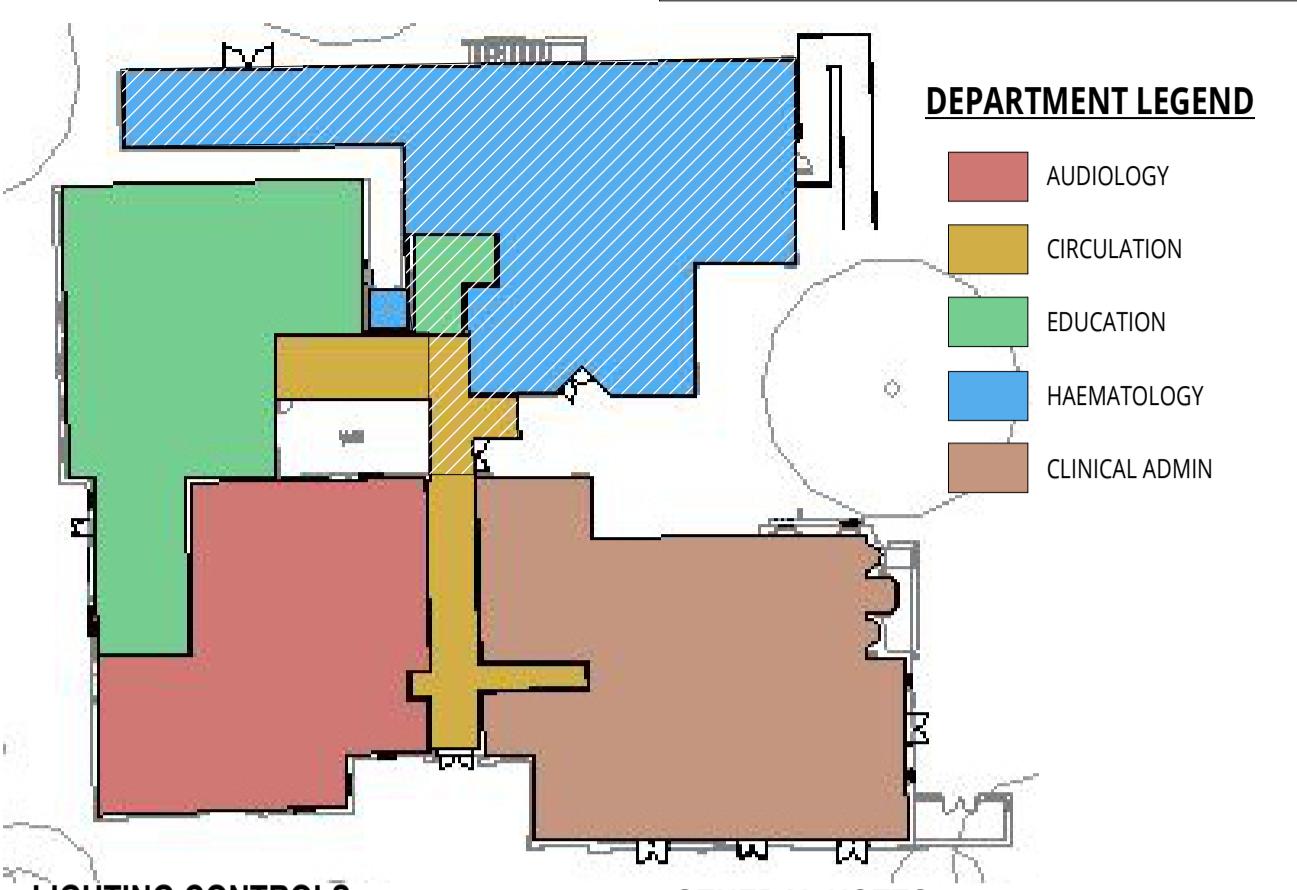
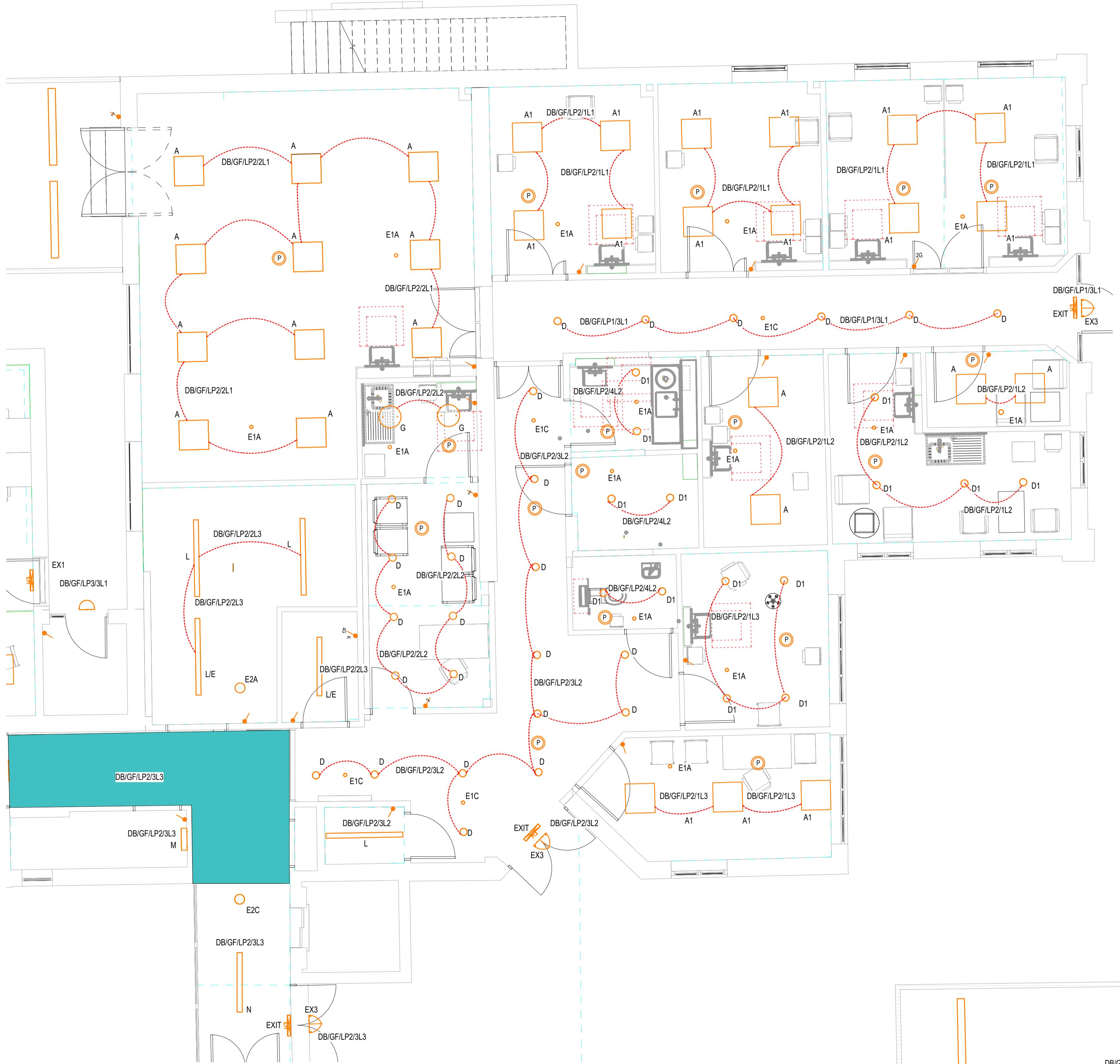
CPW Project No: 240299

LINKED FILES: HTF-LDW-XX-ZZ-M3-A-0001

THHF1-CRH-ZZ-M3-S-0001

THHF1-CPW-ZZ-DR-E-21001_S4_P10





LIGHTING CONTROLS:

- 1 - WAY LIGHT SWITCH
- K - DENOTES EMERGENCY KEY TEST SWITCH
- 2G - 2 WAY LIGHT SWITCH
- 2G - DIMMER LIGHT SWITCH
- P - CEILING / LUMINAIRE MOUNTED 360 DEGREE PIR DETECTOR
- PA - CEILING / LUMINAIRE MOUNTED 360 DEGREE PIR DETECTOR & ABSENCE DETECTION

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 NEW LIGHTING PROVIDED BY EXTERNAL FUNDING RETAINED

P09	APR 24	UPDATED TO INCORPORATE ARCHITECTS COMMENTS (RECEIVED 11/04/2024)	LD	RM/L
P08	MAR 24	FINAL STAGE 4 ISSUE	LD	RD
P07	MAR 24	PRELIMINARY TENDER ISSUE	LD	RM/L
P06	JAN 24	UPDATED TO INCORPORATE ARCHITECT COMMENTS	LD	RM/L
P05	DEC 23	UPDATED FOR LAYOUT CHANGE	LD	RM/L
P04	MARCH 23	JS	NR	
P03	APR 22	FOR PLANNING AMENDMENTS	JS	NR
P02	DEC 21	SUITABLE FOR STAGE APPROVAL	BP	JP
P01	SEP 21	CHANGES TO TITLE BLOCK REVISIONS	ZD	
T02	SEP 21	TENDER ISSUE	JS	NR
T01	SEP 21	TENDER ISSUE	JS	NR
REV	DATE	DESCRIPTION	BY	VE



STAGE 4

STATUS

SUITABLE FOR STAGE APPROVAL

CLIENT THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE
ELECTRICAL SERVICES
GROUND FLOOR - HAEMATOLOGY
LIGHTING LAYOUT

SCALE (A) DATE BY VE NR
1:50 SEP 21 JG NR

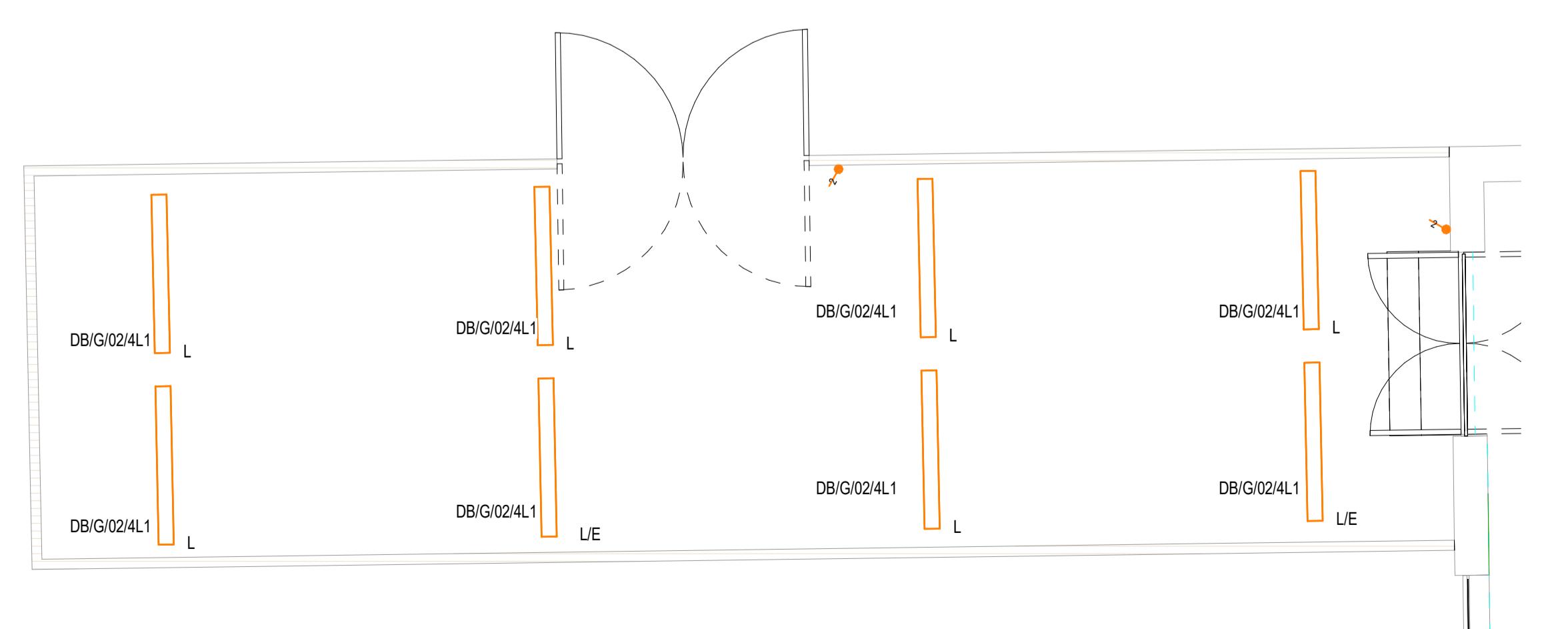
Proj ID Originator Volume Level Type Role Number Subtype Revision
THHFP1 CPW ZZ 00 DR E 21003 S4 P10

CPW Project No. 240299

LINKED FILES

HTF-LDW-XX-ZZ-M3-A-0001

THHFP1-CRH-ZZ-M3-S-0001





P10	APR 24	UPDATED TO INCORPORATE ARCHITECTS COMMENTS (RECEIVED 11/04/2024)	LD	RM
P09	APR 24	FINAL STAGE 4 ISSUE	LD	RM
P08	MAR 24	PRELIMINARY TENDER ISSUE	LD	RM
P07	JAN 24	UPDATED TO INCORPORATE ARCHITECT COMMENTS	RS	RM
P06	DEC 23	UPDATED FOR LAYOUT CHANGE	LD	RM
P05	DEC 23	CHANGES TO STAGE 3	LD	RM
P03	APR 22	FOR PLANNING AMENDMENTS	JS	NR
P02	DEC 21	SUITABLE FOR STAGE APPROVAL	BP	JP
P01	DEC 21	CHANGES TO TITLE BLOCK/REVISIONS	ZD	NR
T02	SEP 21	CHANGES TO TITLE BLOCK/REVISIONS	JS	NR
T01	SEP 21	TENDER ISSUE	JS	NR
REV	DATE	DESCRIPTION	BY	VE



STAGE 4

SUITABLE FOR STAGE APPROVAL

CLIENT: THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT: HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE:
ELECTRICAL SERVICES
FIRST FLOOR - CLINICAL ADMIN
LIGHTING LAYOUT

SCALE (A): 1:50 DATE: SEP 21 BY: JG VE: NR

Prod ID: THHFP1 CPW: ZZ Level: 01 Type: DR Role: 21001 Number: Subdiv: Revision:

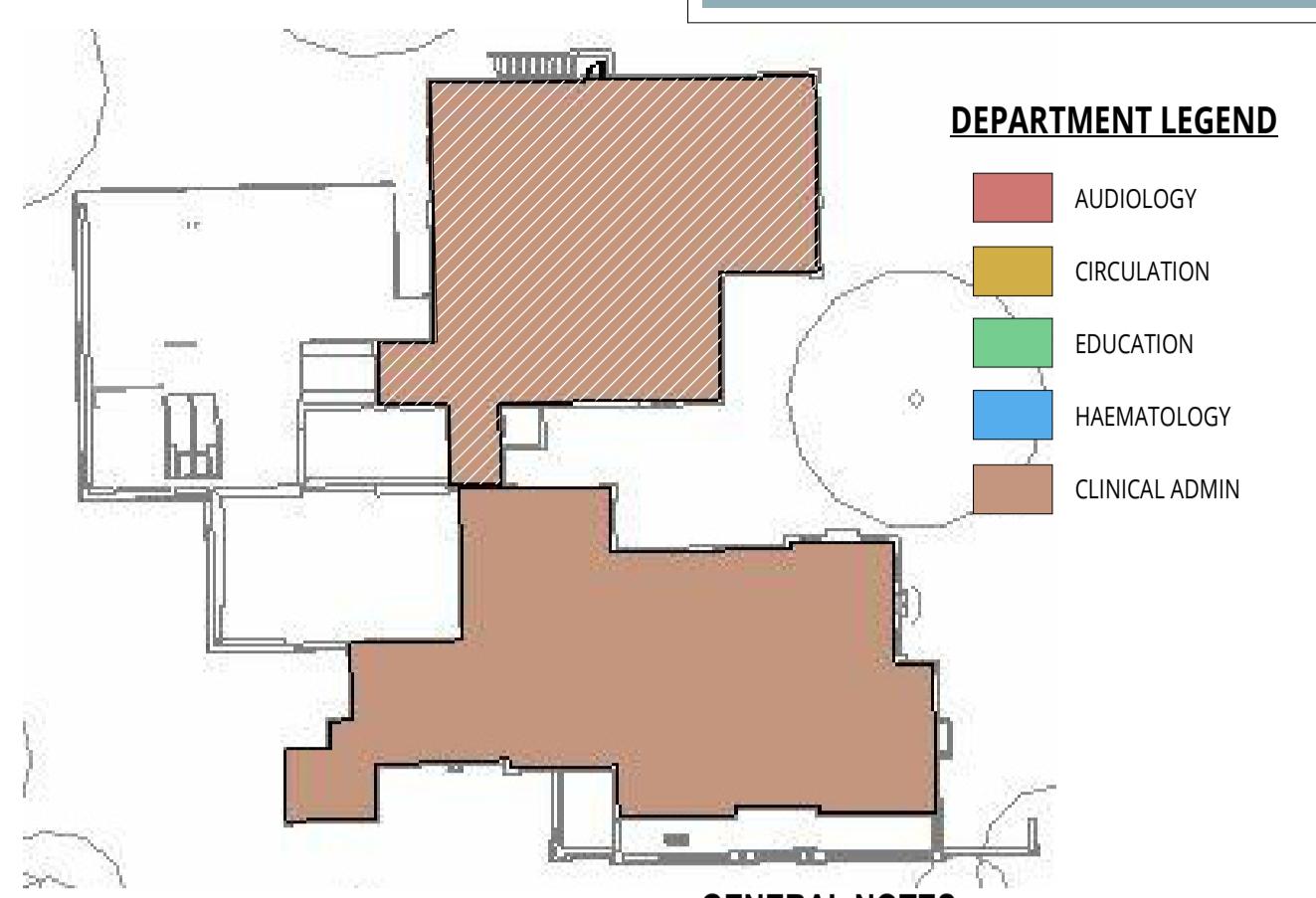
THHFP1-CPW-ZZ-01-DR-E-21001_S4_P10

CPR Project No: 240299

LINKED FILES:

HTF-LDW-XX-ZZ-M3-A-0001

THHFP1-CRH-ZZ-M3-S-0001



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REFER TO LUMINAIRE SCHEDULE WITHIN SPECIFICATION FOR FULL DETAILS OF FITTINGS.

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 NEW LIGHTING PROVIDED BY EXTERNAL FUNDING RETAINED

P09	APR 24	UPDATED TO INCORPORATE ARCHITECTS COMMENTS (RECEIVED 11/04/2024)	LD	RMAL
P08	MAR 24	PRELIMINARY TENDER ISSUE	LD	RD
P07	JAN 24	UPGRADED TO INCORPORATE ARCHITECT COMMENTS	LD	RMAL
P06	DEC 23	UPGRADED FOR LAYOUT CHANGE	LD	RMAL
P05	MARCH 23	JS	NR	
P03	APR 22	FOR PLANNING AMENDMENTS	JS	NR
P02	DEC 21	SUITABLE FOR STAGE APPROVAL	BP	JP
T02	SEP 21	CHANGES TO TITLE BLOCK REVISIONS	ZD	NR
T01	SEP 21	TENDER ISSUE	JS	NR
REV	DATE	DESCRIPTION	BY	VE



STAGE 4

STATUS

SUITABLE FOR STAGE APPROVAL

CLIENT: THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

PROJECT: HILLINGDON HOSPITAL - THE FURZE

DRAWING TITLE

ELECTRICAL SERVICES
FIRST FLOOR - CLINICAL ADMIN
LIGHTING LAYOUT

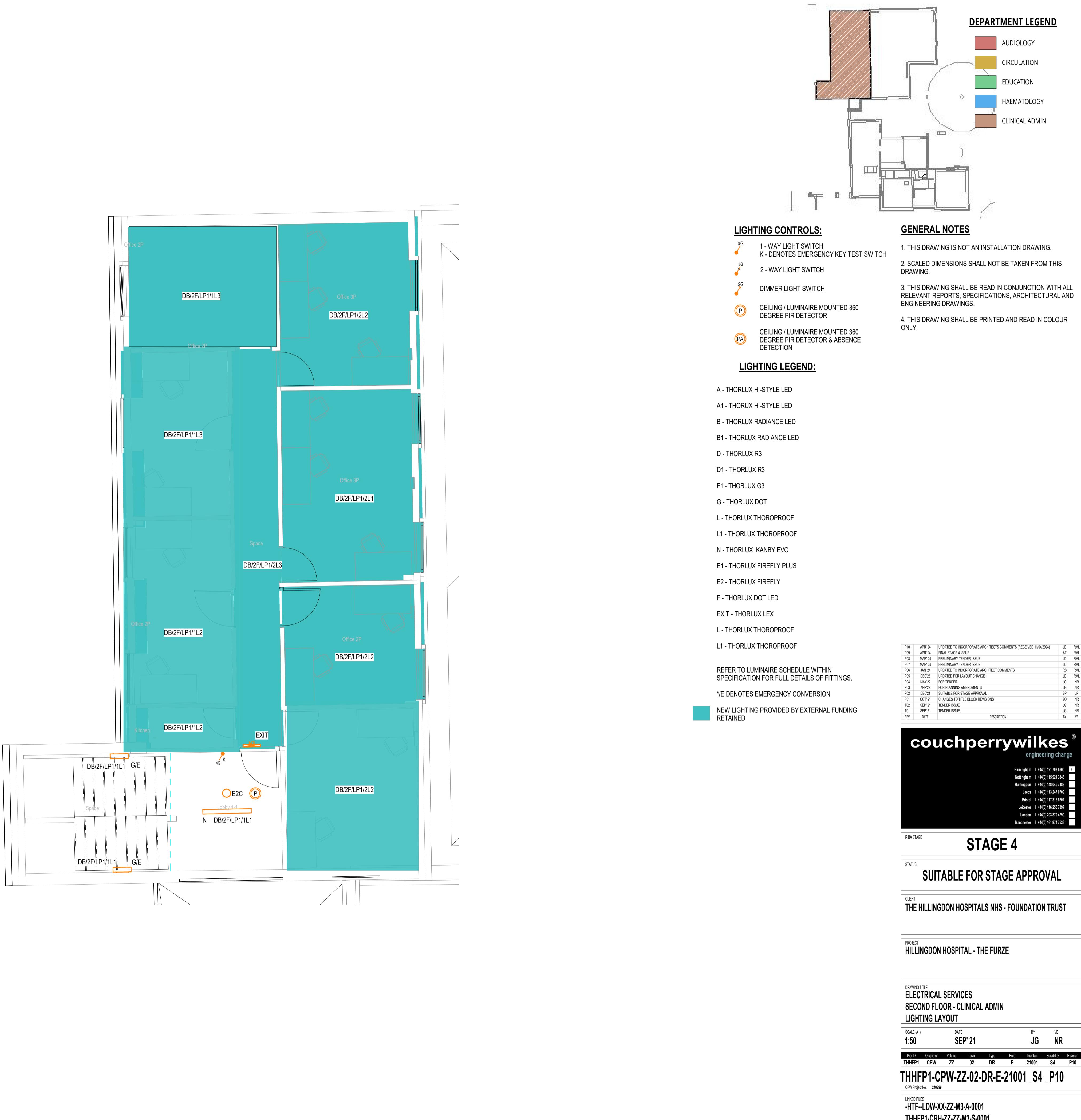
SCALE (A): 1:50 DATE: SEP 21 BY: JG VE: NR

Proj ID: THHF1 CPW: ZZ 01 DR: E 21002 Rev: P10

CPW Project No: 240299

LINKED FILES: THF-LDW-XX-ZZ-M3-A-0001

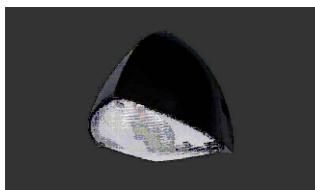
THHF1-CRH-ZZ-M3-S-0001



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5. ELECTRICAL CONTRACTOR TO VERIFY LIGHTING DESIGN PRIOR TO INSTALLATION AS THIS IS A CONCEPTUAL DESIGN ONLY.
6. THE LIGHTING DESIGN PROPOSED HAS BEEN DEVELOPED TO COMPLY WITH LG2 LIGHTING GUIDE FOR HEALTHCARE (2019) BS 5489-1 (2020), BS EN 12464-1 (2021) AND ALL OTHER RELEVANT STANDARDS.
7. ALL NEW LIGHT FITTINGS SHALL BE PROVIDED AS AN EXTENSION TO THE EXISTING SYSTEMS IN PLACE.
8. PLEASE NOTE THAT ANY AREAS THAT DO NOT HAVE NEW LIGHT FITTINGS HAVE BEEN SURVEYED AND ARE DEEMED TO HAVE SUFFICIENT LIGHT LEVELS AS EXISTING.
9. EXISTING POSITIONS OF LIGHT FITTINGS WILL BE UTILISED.
10. ALL EXTERNAL LIGHTING IS TO BE CONTROLLED VIA PHOTOCELL AND TIME CLOCK (LOCATIONS TO BE CONFIRMED) SUCH THAT THE LIGHTING WILL BE ENERGIZED AT LOW AMBIENT LIGHT LEVELS AND REMAIN ON DURING THE BUILDING'S HOURS OF OPERATION. CURRENT OPENING HOURS ARE PROPOSED TO BE 8AM - 7PM (TIMINGS TO BE CONFIRMED BY CLIENT).
11. THIS DESIGN HAS BEEN CALCULATED AND ASSESSED FOR COMPLIANCE WITH ILP GN01 GUIDANCE FOR THE REDUCTION OF OBTRUSIVE LIGHT FOR AN E3 ENVIRONMENTAL ZONE, SHOWING NO DETRIMENTAL EFFECT.
12. NO SHRUBBERY OR FOLIAGE HAS BEEN MODELLED IN THE CALCULATION TO ALLOW WORST CASE FOR LIGHTING OVERSPILL.

LEGEND:



EX3
THORLUX REALTA
WALL MOUNTED
WIDE DISTRIBUTION OPTIC
WATTS PER LUMINAIRE: 8W
LUMINAIRE LUMENS: 1320LM
COLOUR TEMPERATURE: 4000K
MOUNTING HEIGHT: SEE DRAWING

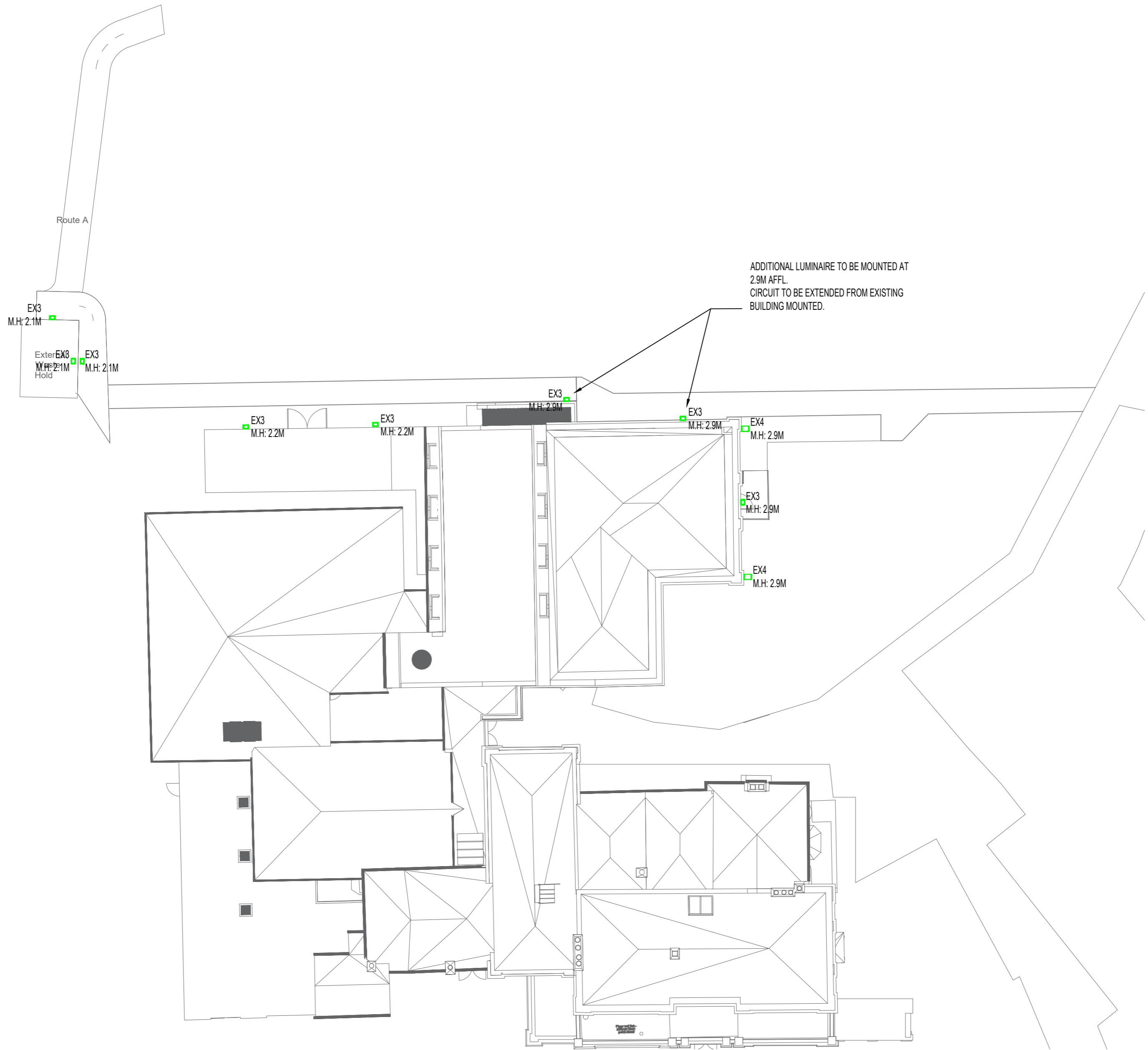


EX4
WHITECROFT EUROLIGHT MIDILED
WALL MOUNTED
ASYMMETRIC DISTRIBUTION OPTIC
WATTS PER LUMINAIRE: 169W
LUMINAIRE LUMENS: 15595LM
COLOUR TEMPERATURE: 4000K
MOUNTING HEIGHT: 2.9M

CALCULATION RESULTS:

EXTERNAL BIN STORE ROUTE
ILLUMINANCE (LUX)
AVERAGE=20.9 MAXIMUM=71.5 MIN/AVG=0.26

EXTERNAL WASTE HOLD
ILLUMINANCE (LUX)
AVERAGE=29.3 MAXIMUM=55.4 MIN/AVG=0.3



DRA Ref No.	Description
It is assumed that all works shall be undertaken by a competent contractor working, where appropriate, to an approved method statement.	

Reference should be made to the DRA for further details.

It is assumed that all works shall be undertaken by a competent contractor working, where appropriate, to an approved method statement.

S4-P04	APR 24	UPDATED TO INCORPORATE ARCHITECTS COMMENTS (RECEIVED 11/04/2024)	LD	RML
S4-P03	APR 24	PRELIMINARY TENDER ISSUE	HJ	RML
S4-P02	APR 24	PRELIMINARY TENDER ISSUE	HJ	RML
S4-P01	MAR 24	PRELIMINARY TENDER ISSUE	LD	RML
REV	DATE	DESCRIPTION	BY	VE

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STAGE 4

Status: SUITABLE FOR STAGE APPROVAL

Client: THE HILLINGDON HOSPITALS NHS - FOUNDATION TRUST

Project: HILLINGDON HOSPITAL - THE FURZE

Drawing Title: BIN STORE ROUTE
PROPOSED EXTERNAL LIGHTING LAYOUT

Scale (A2): 1:200 Date: FEB' 24 By: HJ Ve: RML

Proj ID: THHFP1 Originator: CPWP Functional: 00 Spatial: XX Form: DR Discipline: E Number: 92002 Suitability: S4 Revision: P04

THHFP1-CPWP-00-XX-DR-E-92002 S4 P04

CPW Project No. 201056

Linked Files

